

IN THE U.S. PATENT AND TRADEMARK OFFICE

In re Application of:

J.E. McGrath, et al.

Confirmation No. 4178

Serial No.: 10/595,654

Art Unit: 1796

Filed: 5/23/07

Examiner: Unknown

For: Multiblock Copolymers Containing Hydrophilic Hydrophobic Segments  
for Proton Exchange Membrane

**REQUEST FOR CORRECTED PUBLISHED APPLICATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached are the following documents:

1. Notice of Publication of Application;
2. First page of the published application taken from the USPTO database; and
3. Corrected Filing Receipt mailed on Nov. 19, 2007.

The undersigned received the Notice of Publication of Application on January 10, 2008 as noted by the date stamp in which the date of publication of this application is given as December 20, 2007.

The first page of the published application listing the inventors is wrong. More specifically, James E. McGrath is listed as the first and last inventor and the actual forth-named inventor (the last inventor) is omitted.

A request for corrected filing receipt was filed in the USPTO on October 22, 2007 with a copy of the executed Declaration/Power of Attorney signed by all four inventors. A “**corrected**” filing receipt was mailed November 19, 2007 listing, in the correct order, all four inventors.

It is therefore requested that this application be republished with the correct names of all four inventors as shown on the “corrected” filing receipt

It is believed that since this is a USPTO error, no fee is due. If on the other hand, it is determined that a fee is due, please charge Deposit Account 50-2041.

Respectfully submitted,



Michael E. Whitham  
Reg. No. 32,635

Date: Jan. 18, 2008

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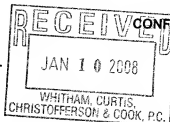
**CUSTOMER NO 30743**



APPLICATION NUMBER	FILING OR 371(c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/595,654	05/23/2007	James E. McGrath	01640439AA

30743

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CONFIRMATION NO. 4178

**Title:** Multiblock Copolymers Containing Hydrophilic Hydrophobic Segments for Proton Exchange Membrane

**Publication No.** US-2007-0292730-A1

**Publication Date:** 12/20/2007

### NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publicly available Searchable Databases via the Internet at [www.uspto.gov](http://www.uspto.gov). The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at [www.uspto.gov](http://www.uspto.gov) using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently <http://pair.uspto.gov/>. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

# US PATENT & TRADEMARK OFFICE

## PATENT APPLICATION FULL TEXT AND IMAGE DATABASE



( 1 of 1 )

United States Patent Application

20070292730

Kind Code

A1


McGrath; James E. ; et al.

December 20, 2007

Multiblock Copolymers Containing Hydrophilic Hydrophobic Segments for Proton Exchange Membrane

### Abstract

Novel multiblock copolymers containing perfluorinated poly(arylene ether) as a hydrophobic segment and disulfonated poly(arylene ether sulfone) as a hydrophilic segment are provided. The multiblock copolymers are used to form proton exchange membranes that are thermally and hydrolytically stable, flexible, and that exhibit low methanol permeability and high proton conductivity. The proton exchange membranes are thus well-suited for use as polymer electrolytes in fuel cells.

Inventors:  McGrath; James E.; (Blacksburg, VA) ; Harrison; William; (Riner, VA) ; Wodzinski Jr; Tom A.; (Shaker Heights, OH) ; McGrath; James E.; (Blacksburg, VA)

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US

Serial No.: 595654

Series Code: 10

Filed: November 19, 2004

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PCT NO: PCT/US04/38691

371 Date: May 23, 2007

U.S. Current Class:

429/33; 521/25; 521/27

U.S. Class at Publication:

429/033; 521/025; 521/027



## UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING or 371(c) DATE	GR/PART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	TOT CLAIMS	IND CLAIMS
10/595,654	05/23/2007	1796	790	01640439AA	29	5

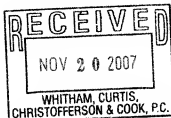
CONFIRMATION NO. 4178

CORRECTED FILING RECEIPT



0000000028803154

Date Mailed: 11/19/2007



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Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

## Applicant(s)

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## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/38691 11/19/2004  
which claims benefit of 60/523,332 11/20/2003

## Foreign Applications

If Required, Foreign Filing License Granted: 09/08/2007

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/595,654**

Projected Publication Date: 12/20/2007

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

**Title**

Multiblock Copolymers Containing Hydrophilic Hydrophobic Segments for Proton Exchange Membrane

**Preliminary Class**

525

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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